

CLAIMS

What is claimed is:

1. A system for capturing and analyzing data from a tennis match to show player's tendencies, comprising:
 - a data collection unit for capturing data related to a player's performance during a tennis match;
 - a storage device for storing data captured by said data collection unit;
 - a computer system for analyzing and manipulating the stored data to determine player tendencies, said computer system including data processing software structured to sort said stored data by at least one specified sort criteria and generate a representation of said tendencies from at least a portion of said stored data that matches said specified sort criteria;
 - an operator interface in communication with said computer system for inputting said sort criteria; and
 - a display for presenting said representation to a viewer.
2. The system of claim 1, wherein said format is at least one of a predetermined graphical, statistical or descriptive format.
3. The system of claim 2, wherein said player tendencies relate to at least the location to which the player tends to hit the ball.
4. The system of claim 3, wherein said at least one sort criteria includes player's stroke type and one tendency shown relates to the results in each said location for each type of stroke.
5. The system of claim 3, wherein said data collection unit includes at least one video camera, structured to capture one or more tennis players on the court during a match.

6. The system of claim 3, wherein said data collection unit includes a mechanism for manually entering data into said data collection unit.
7. The system of claim 6, wherein said data collection unit further includes a touch screen for entering data.
8. The system of claim 7, wherein said data collection unit includes transmission means for transmitting data to another device.
9. A method for analyzing tennis player performance data to show player tendencies, comprising:
 - (a) dividing the tennis court into a plurality of discrete locations;
 - (b) acquiring at least one piece of data related to player performance on said tennis court and correlating said at least one piece of data to at least one of said discrete locations;
 - (c) storing said at least one piece of data in association with said at least one of said discrete locations ;
 - (d) repeating steps (b) and (c) at least one time to accumulate a plurality of data;
 - (e) sorting said plurality of data by at least one sort criterion relative to at least one discrete location;
 - (f) displaying at least a portion of said data related to at least one discrete location.
10. The method of claim 9, wherein said portion of said stored data is presented in at least one of a graphical, a statistical and a descriptive format.
11. The method of claim 10, wherein said at least one sort criterion includes the type of stroke performed.

12. The method of claim 10, wherein at least one sort criteria includes the location from which a player hit the ball.
13. The method of claim 10, wherein said discrete location associated with said captured data relates to the location to which a player hit the ball.
14. The method of claim 13, further dividing each of said discrete locations into zones.
15. The method of claim 10, further including, (f) transmitting said at least a portion of said discrete data to a remote device.
16. A method for capturing and analyzing data from a tennis match to show player's tendencies, comprising:
 - collecting data related to a player's performance during a tennis match;
 - storing the collected data;
 - inputting at least one desired sort criteria;
 - manipulating the stored data pursuant to said sort criteria to obtain a subset of said collected data;
 - generating a representation of said subset;
 - displaying said representation to a viewer; and
 - analyzing said subset to determine a player's tendencies.
17. The method of claim 16, wherein the player's tendencies relate to at least the location to which the player tends to hit the ball.

18. The method of claim 17, wherein said at least one sort criteria includes player's stroke type and one tendency shown relates to the results in each said location for each type of stroke.
19. The method of claim 17, wherein said at least one sort criteria includes game point.
20. The method of claim 18, wherein said data collection unit includes a mechanism for manually entering data into said data collection unit.